

16 BIT HYBRID CONTROLLER, Digitala signalprocessorer och kontrollrar (DSP, DSC)
80Mhz/40MIPS

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	LQFP-128
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DSP56F827FG80E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DSP56F827FG80E is a 16-bit digital signal controller (DSC) manufactured by NXP Semiconductors (formerly Freescale Semiconductor). Here are some of its features:

Features

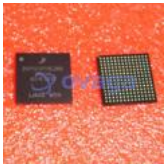
- 80 MHz core clock speed
- Up to 64 KB of program memory (flash)
- Up to 24 KB of data memory (RAM)
- Two 12-bit analog-to-digital converters (ADC)
- Two 12-bit digital-to-analog converters (DAC)
- Multiple communication interfaces, including SPI, I2C, and CAN
- On-chip debugging and emulation support
- 80 general-purpose input/output (GPIO) pins

Application

- DSP56F827EVM: evaluation board for DSP56F827F DSC
- DSP56F827BG80E: a version of the DSP56F827F with additional on-chip flash memory
- DSP56F827CG80E: a version of the DSP56F827F with additional on-chip RAM
- DSP56F826EVM: evaluation board for DSP56F826F DSC, a lower-end version of the DSP56F827F.

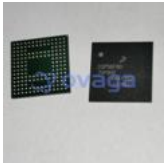


Related Products



[DSP56321VL240](#)

NXP Semiconductor
196-BGA



[DSP56F807VF80E](#)

NXP Semiconductor
MAPBGA-160



[DSP56F805FV80E](#)

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[DSP56F801FA60E](#)

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[DSP56301AG80](#)

NXP Semiconductor
TQFP-208